



## Complete Summary

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### TITLE

Preventive care and screening: percentage of patients aged 65 years and older who have documentation of receiving pneumococcal immunization during the two-year measurement period.

### SOURCE(S)

Physician Consortium for Performance Improvement® (PCPI). Preventive care & screening physician performance measurement set. Chicago (IL): American Medical Association (AMA); 2008 Sep. 34 p. [8 references]

## Measure Domain

### PRIMARY MEASURE DOMAIN

Process

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

### SECONDARY MEASURE DOMAIN

Does not apply to this measure

## Brief Abstract

### DESCRIPTION

This measure is used to assess the percentage of patients aged 65 years and older who have documentation of receiving pneumococcal immunization during the two-year measurement period.

### RATIONALE

Immunizing patients aged 65 years and older against pneumococcal disease reduces the risk of invasive disease, and associated morbidity and mortality.

The following evidence statements are quoted verbatim from the referenced clinical guidelines:

Pneumococcal polysaccharide vaccine should be administered routinely to all adults 65 years of age and older. (Centers for Disease Control and Prevention [CDC], 2007)

Persons aged 65 years and older should be administered a second dose of pneumococcal vaccine if they received the vaccine more than 5 years previously, and were younger than 65 years of age at the time of the first dose. (CDC, 2007)

## **PRIMARY CLINICAL COMPONENT**

Pneumococcal disease; immunization

## **DENOMINATOR DESCRIPTION**

All patients aged 65 years and older who were seen at least twice for any visit or who had at least one preventive care visit during the two year measurement period (see the related "Denominator Inclusions/Exclusions" field in the Complete Summary)

## **NUMERATOR DESCRIPTION**

Patients who have documentation of receiving pneumococcal immunization (see the related "Numerator Inclusions/Exclusions" field in the Complete Summary)

### **Evidence Supporting the Measure**

## **EVIDENCE SUPPORTING THE CRITERION OF QUALITY**

- A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence
- One or more research studies published in a National Library of Medicine (NLM) indexed, peer-reviewed journal

### **Evidence Supporting Need for the Measure**

## **NEED FOR THE MEASURE**

Overall poor quality for the performance measured  
Variation in quality for the performance measured

## **EVIDENCE SUPPORTING NEED FOR THE MEASURE**

Centers for Disease Control and Prevention. Atkinson W, Hamborsky J, McIntyre L, Wolfe S, editor(s). Epidemiology and prevention of vaccine-preventable diseases. 10th ed. Washington (DC): Public Health Foundation; 2007.

National Center for Health Statistics. Health, United States, 2007: with chartbook and trends in the health of Americans. Hyattsville (MD): 2007.

### **State of Use of the Measure**

## **STATE OF USE**

Current routine use

## **CURRENT USE**

Internal quality improvement

## **Application of Measure in its Current Use**

### **CARE SETTING**

Ambulatory Care  
Home Care  
Long-term Care Facilities  
Physician Group Practices/Clinics

### **PROFESSIONALS RESPONSIBLE FOR HEALTH CARE**

Physicians

### **LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED**

Individual Clinicians

### **TARGET POPULATION AGE**

Age 65 years and older

### **TARGET POPULATION GENDER**

Either male or female

### **STRATIFICATION BY VULNERABLE POPULATIONS**

Unspecified

## **Characteristics of the Primary Clinical Component**

### **INCIDENCE/PREVALENCE**

An estimated 40,000 cases and more than 4,400 deaths due to invasive pneumococcal disease occurred in 2005. More than half of these cases occurred in those who were candidates for pneumococcal immunization.

Incidence rates for invasive pneumococcal disease vary greatly by age group. In 1998, incidence rates were highest among children less than 2 years of age, followed by those 65 years of age and older.

Data from the National Center for Health Statistics show that in 2005, 17.1% of adults aged 50-64 and 56.2% of adults aged 65 years and older reported ever receiving pneumococcal immunization.

## **EVIDENCE FOR INCIDENCE/PREVALENCE**

Centers for Disease Control and Prevention. Atkinson W, Hamborsky J, McIntyre L, Wolfe S, editor(s). Epidemiology and prevention of vaccine-preventable diseases. 10th ed. Washington (DC): Public Health Foundation; 2007.

National Center for Health Statistics. Health, United States, 2007: with chartbook and trends in the health of Americans. Hyattsville (MD): 2007.

## **ASSOCIATION WITH VULNERABLE POPULATIONS**

See the "Incidence/Prevalence" field.

## **BURDEN OF ILLNESS**

See the "Incidence/Prevalence" field.

## **UTILIZATION**

Unspecified

## **COSTS**

Unspecified

# **Institute of Medicine National Healthcare Quality Report Categories**

## **IOM CARE NEED**

Staying Healthy

## **IOM DOMAIN**

Effectiveness

# **Data Collection for the Measure**

## **CASE FINDING**

Users of care only

## **DESCRIPTION OF CASE FINDING**

All patients aged 65 years and older who were seen at least twice for any visit or who had at least one preventive care visit during the two year measurement period

## **DENOMINATOR SAMPLING FRAME**

Patients associated with provider

## **DENOMINATOR INCLUSIONS/EXCLUSIONS**

### **Inclusions**

All patients aged 65 years and older who were seen at least twice for any visit or who had at least one preventive care visit during the two year measurement period

**Note:** Refer to the original measure documentation for administrative codes.

### **Exclusions**

- Documentation of medical reason(s) for not administering pneumococcal immunization (e.g., patient allergy, other contraindication)
- Documentation of patient reason(s) for not having received pneumococcal immunization (e.g., patient declined)

## **RELATIONSHIP OF DENOMINATOR TO NUMERATOR**

All cases in the denominator are equally eligible to appear in the numerator

## **DENOMINATOR (INDEX) EVENT**

Encounter

## **DENOMINATOR TIME WINDOW**

Time window is a single point in time

## **NUMERATOR INCLUSIONS/EXCLUSIONS**

### **Inclusions**

Patients who have documentation\* of receiving pneumococcal immunization

\*Documentation may include that the patient received the immunization during that visit OR that the patient reports having previously received the immunization since age 65.

**Note:** Refer to the original measure documentation for administrative codes.

### **Exclusions**

None

## **MEASURE RESULTS UNDER CONTROL OF HEALTH CARE PROFESSIONALS, ORGANIZATIONS AND/OR POLICYMAKERS**

The measure results are somewhat or substantially under the control of the health care professionals, organizations and/or policymakers to whom the measure applies.

#### **NUMERATOR TIME WINDOW**

Encounter or point in time

#### **DATA SOURCE**

Administrative data  
Medical record

#### **LEVEL OF DETERMINATION OF QUALITY**

Individual Case

#### **PRE-EXISTING INSTRUMENT USED**

Unspecified

### **Computation of the Measure**

#### **SCORING**

Rate

#### **INTERPRETATION OF SCORE**

Better quality is associated with a higher score

#### **ALLOWANCE FOR PATIENT FACTORS**

Unspecified

#### **STANDARD OF COMPARISON**

Internal time comparison

### **Evaluation of Measure Properties**

#### **EXTENT OF MEASURE TESTING**

Unspecified

### **Identifying Information**

#### **ORIGINAL TITLE**

Measure #9: pneumococcal immunization.

## **MEASURE COLLECTION**

[The Physician Consortium for Performance Improvement® Measurement Sets](#)

## **MEASURE SET NAME**

[Preventive Care and Screening Physician Performance Measurement Set](#)

## **SUBMITTER**

American Medical Association on behalf of the Physician Consortium for Performance Improvement®

## **DEVELOPER**

Physician Consortium for Performance Improvement®

## **FUNDING SOURCE(S)**

Unspecified

## **COMPOSITION OF THE GROUP THAT DEVELOPED THE MEASURE**

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## **FINANCIAL DISCLOSURES/OTHER POTENTIAL CONFLICTS OF INTEREST**

Conflicts, if any, are disclosed in accordance with the Physician Consortium for Performance Improvement® conflict of interest policy.

## **ADAPTATION**

Measure was not adapted from another source.

## **RELEASE DATE**

2008 Sep

## **MEASURE STATUS**

This is the current release of the measure.

## **SOURCE(S)**

Physician Consortium for Performance Improvement® (PCPI). Preventive care & screening physician performance measurement set. Chicago (IL): American Medical Association (AMA); 2008 Sep. 34 p. [8 references]

## **MEASURE AVAILABILITY**

The individual measure, "Measure #9: Pneumococcal Immunization," is published in the "Preventive Care & Screening Physician Performance Measurement Set." This document and technical specifications are available in Portable Document Format (PDF) from the American Medical Association (AMA)-convened Physician Consortium for Performance Improvement® Web site:  
[www.physicianconsortium.org](http://www.physicianconsortium.org).

For further information, please contact AMA staff by e-mail at [cqi@ama-assn.org](mailto:cqi@ama-assn.org).

## **NQMC STATUS**

This NQMC summary was completed by ECRI Institute on February 13, 2009. The information was verified by the measure developer on March 25, 2009.

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